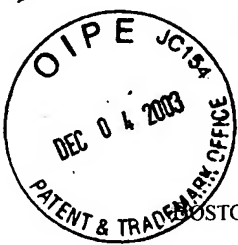


Image



LAHIVE & COCKFIELD L L P

COUNSELLORS AT LAW
28 STATE STREET
BOSTON, MASSACHUSETTS 02109-1784
TELEPHONE (617) 227-7400
FAX (617) 742-4214
lc@lahive.com

JOHN A. LAHIVE, JR. (1928-1997)
THOMAS V. SMURZYNSKI
RALPH A. LOREN
GIULIO A. DeCONTI, JR.
ELIZABETH A. HANLEY
AMY BAKER MANDRAGOURAS
ANTHONY A. LAURENTANO
KEVIN J. CANNING
JANE E. REMILLARD
DeANN FORAN SMITH
DEBRA J. MILASINCIC, Ph.D.
DAVID J. RIKKERS
DAVID R. BURNS
JOHN S. CURRAN
SEAN D. DETWEILER
MEGAN E. WILLIAMS, Ph.D.

LISA DIROCCO TYNER
HATHAWAY P. RUSSELL *
MARIA LACCOTRIPE ZACHARAKIS, Ph.D.
MERIDETH C. ARNOLD
DANIELLE L. HERRITT
EUIHOON LEE **
MANEESH GULATI

SENIOR COUNSEL
JAMES E. COCKFIELD

OF COUNSEL
JEREMIAH LYNCH
WILLIAM A. SCOFIELD, JR.
SIBLEY P. REPPERT
JEANNE M. DIGIORGIO
CYNTHIA L. KANIK, Ph.D.
JOHN D. LANZA

PATENT AGENTS
THEODORE R. WEST
CYNTHIA M. SOROOS
PETER W. DINI, Ph.D.
JONATHAN M. SPARKS, Ph.D.
ANDRINA WILLIAMS ZINK

TECHNICAL SPECIALISTS
CATHERINE M. BISHOP
JACOB G. WEINTRAUB
CRISTIN E. HOWLEY, Ph.D.
JILL ANN MELLO, Ph.D.
DEBORAH L. NAGLE, Ph.D.
ANNE JACQUELINE WIZEMAN, Ph.D.
BRIAN C. TRINQUE, Ph.D.
CHRISTOPHER R. COWLES, Ph.D.

* Admitted in TX only
** Admitted in CT only

December 2, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Re: U.S. Patent Application No.: 10/017721
For: *Diagnosis And Treatment Of Vascular Disease*
Inventor: McCarthy, Jeanette *et al.*
Filed: December 14, 2001
Our Ref. No.: MMI-003

Dear Sir:

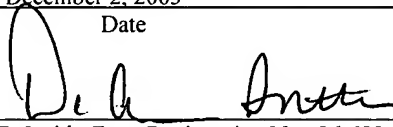
I enclose herewith for filing in the above-identified application the following:

1. Supplemental Information Disclosure Statement;
2. Copy of International Search Report;
3. PTO Form SB/08;
4. Copy of the publications cited in PTO Form SB/08 (9); and
5. A Return Postcard.

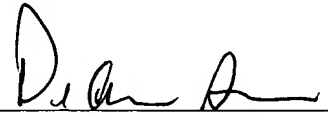
No additional costs are believed to be due in connection with the filing of this Information Disclosure Statement. However, please charge any necessary fees in connection with the enclosed statement to our Deposit Order Account No. 12-0080. For this purpose, a duplicate of this sheet is attached.

I hereby certify that this correspondence is deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on:

December 2, 2003
Date


DeAnn F. Smith, Esq., Registration No. 36,683

Respectfully submitted,
LAHIVE & COCKFIELD, LLP


DeAnn F. Smith, Esq.
Registration No. 36,683
Attorney for Applicants



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: McCarthy, Jeanette *et al.*

Serial No.: 10/017721

Filed: December 14, 2001

For: *Diagnosis and Treatment of Vascular Disease*

Attorney Docket No.: MMI-003

Group Art Unit: 1631

Examiner: Carolyn L. Smith

Confirmation No.: 5317

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Certificate of First Class Mailing (37 CFR §1.8(a))

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on the date set forth below.

December 2, 2003

Date of Signature and of Mail Deposit

By:

DeAnn F. Smith, Esq.
Registration No. 36,683
Attorney for Applicants

INFORMATION DISCLOSURE STATEMENT

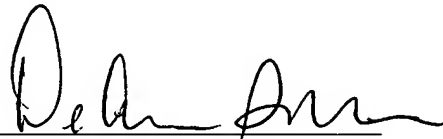
Dear Sir:

Applicants and their Attorney are aware of the following publications and information, listed on the attached PTO Form SB/08, and in accordance with 37 CFR §1.97 hereby submit these publications for the Examiner's consideration. Reference ID Nos. A1-A6 were cited in an International Search Report during the prosecution of PCT/US02/28281 dated August 14, 2003 which corresponds to the above referenced application. A copy of the report and each cited publication is enclosed.

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Moreover, Applicants understand that the Examiner will make an independent evaluation of the cited publications.

Under 37 C.F.R. § 1.97(b)(3), no additional costs are believed to be due in connection with the filing of this disclosure. If, however, a first Office Action on the merits issues in this application bearing a mailing date prior to the date of this Information Disclosure Statement, please charge the appropriate fee as required under 37 CFR §1.17(p) to our Deposit Order Account No. 12-0080.

Respectfully submitted,
LAHIVE & COCKFIELD, LLP

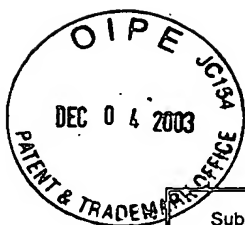


DeAnn F. Smith, Esq.
Registration No. 36,683
Attorney for Applicants

28 State Street
Boston, MA 02109
(617) 227-7400

Date: December 2, 2003

DFS:jjv
Enclosures



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/017721
				Filing Date	December 14, 2001
				First Named Inventor	McCarthy, Jeanette <i>et al.</i>
				Art Unit	1631
				Examiner Name	Carolyn L. Smith
Sheet	1	of	1	Attorney Docket Number	MMI-003

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	6,645,620 B1	10-15-2003	Boyle <i>et al.</i>	
	A2	6,484,183 B1	11-19-2002	Balaban <i>et al.</i>	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	A3	BOCKXMEER <i>et al.</i> , "Angiotensin-Converting Enzyme Gene Polymorphism and Premature Coronary Heart Disease," <i>Clinical Science</i> (2000) vol. 99, pages 247-251			
	A4	KANAZAWA <i>et al.</i> , "Deletion Polymorphisms in the Angiotensin Converting Enzyme Gene are Associated with Pulmonary Hypertension Evoked by Exercise Challenge in Patients with Chronic Obstructive Pulmonary Disease," <i>Am J Respir Crit Care Med</i> (2000) vol. 162, pages 1235-1238			
	A5	BAUMANN <i>et al.</i> , "Linkage Disequilibrium Relationships Among Four Polymorphisms within the Human Fibrinogen Gene Cluster," <i>Human Genetics</i> , August 1994, vol. 94, no. 2, pages 165-170			
	A6	FONTANINI <i>et al.</i> , "Thrombospondins I and II Messenger RNA Expression in Lung Carcinoma: Relationship with p53 Alterations, Angiogenic Growth Factors, and Vascular Density," <i>Clinical Cancer Research</i> , January 1999, vol. 5, pages 155-161			
	A7	ROSS, "The pathogenesis of atherosclerosis: a perspective for the 1990s," <i>Nature</i> . April 1993, vol. 362(6423), pages 801-9			
	A8	MARENBERG <i>et al.</i> , Genetic susceptibility to death from coronary heart disease in a study of twins," <i>N. Engl. J. Med.</i> April 1994, vol. 330(15), pages 1041-6			
	A9	CARGILL <i>et al.</i> , "Characterization of single-nucleotide polymorphisms in coding regions of human genes," <i>Nat. Genet.</i> July 1999, vol. 22(3), pages 231-8			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--